



IPM School and Workshop on Gravitational Lensing Techniques (ISGLT07)

Institute for Studies in Theoretical Physics and Mathematics
November 24th – 29th, 2007
Tehran, IRAN



Lecturers

- **Jörg Dietrich**,
*European Southern
Observatory (ESO), Garching,
Germany*
- **Nicholas James Rattenbury**,
*Jodrell Bank Observatory,
Manchester, UK*



Organizers

- **Reza Mansouri**,
*IPM & SUT, Tehran,
Iran*
- **Seyed-Abouzar Najafi**,
IPM, Tehran, Iran
- **Sima Ghassemi**
IPM, Tehran, Iran

A six-day school and workshop on data processing and analysis techniques used in micro-lensing and weak-lensing observations. This is the first IPM Lensing-School, which will be continued in the next year. The workshop is intended to be an intensive program to equip graduate students with fundamental knowledge in order to cope with the data processing of gravitational lensing tasks.

Topics

Weak-Lensing Part 1

- Telescopes and Instrumentation
- Reduction of Wide-Field Mosaic Data
 - Astrometry
 - Photometry
- Weak Lensing Shape Measurement

Micro-Lensing Part 1

- Planetary Microlensing
 - Capabilities, limits
 - Detection, Modelling, Categorisation
- Non-Planetary Microlensing
- Exotic Microlensing
- Current Surveys and Follow-Up Experiments
- Current Results and Future Directions

Sponsor

INO (Iranian National Observatory)
CEP (The Center of Excellence in Physics, SUT - IPM)

Deadline for Application September 24th, 2007

More information and online registration form can be found at:
<http://www.astro.ipm.ir/ISGLT07>

The total fee including full board and lodging is US\$300.

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